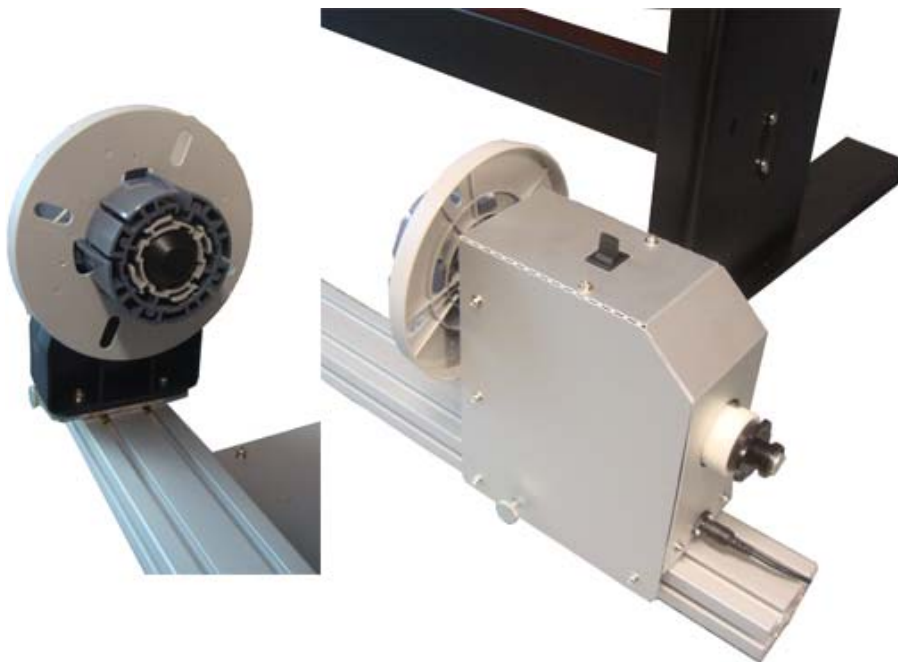


MUTOH

User's Guide

30kg Take-up system



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This document is furnished to support the 30kg Take-up system for DrafStation Pro, ValueJet 1204, ValueJet 1304, ValueJet 1304W, ValueJet 1324, ValueJet 1614, ValueJet 1624, and ValueJet 1604 W. In consideration of the furnishing of the information contained in this document, the party to whom it is given, assumes its custody and control and agrees to the following:

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IMPORTANT NOTICE

For users in Europe

This is a Class A product approved for industrial environments.

In a domestic environment this product may cause radio interference in which case you may be required to take adequate measures.

Change the direction of the receiving antenna or feeder.

Trademarks mentioned in this guide

- MUTOH, DrafStation Pro, ValueJet 1204, ValueJet 1304, ValueJet 1304W, ValueJet 1324, ValueJet 1614, ValueJet 1624, and ValueJet 1604 W are registered trademarks or product names of Mutoh Belgium nv.
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⚠ Notes ⚠

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WEEE regulations

Environmental information
Disposal of your old product



Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.

When this crossed-out wheeled bin symbol is attached to a product it means the product is covered by the European Directive 2002/96/EC

Please inform yourself about the local separate collection system for electrical and electronic products.

Please act according to your local rules and do not dispose of your old products with your normal household waste. The correct disposal of your old product will help prevent potential negative consequences for the environment and human health.

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1 SAFETY INSTRUCTIONS

Important

BE SURE TO READ THE TERMS IN THE NEXT CHAPTER THOROUGHLY BEFORE INSTALLING AND OPERATING THE SYSTEM FOR YOUR OWN SAFETY.

All safety related terms are bundled and categorized in three types.

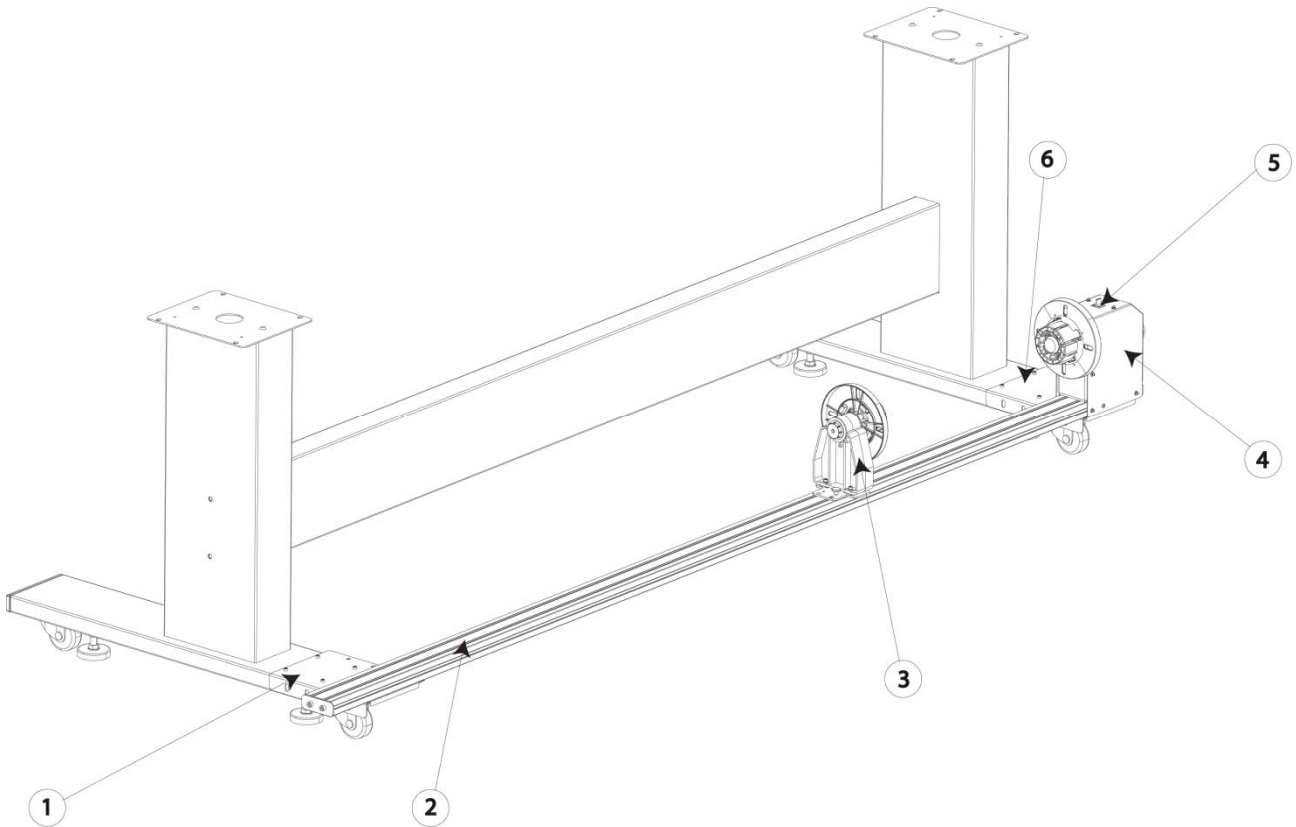
Safety terms	Details
 Important 	Must be followed carefully to avoid death or serious bodily injury
 Caution 	Must be observed to avoid bodily injury (moderate or light) or damage to your equipment
 Notes 	Contains important information and useful tips on the operation of your printer

- Do not stand on or place heavy objects on the unit in order to prevent bending of the extrusion bar.
- Do not attempt to plug in electrical plugs with wet hands. Doing so may result in electrical shock.
- Do not use thinner, benzene, alcohol or other active agents. Doing so may result in damage or paint peeling from the casing.
- Be careful not to spill water inside the winder. Doing so may result in a short circuit.
- Never open the covers fixed with screws. Doing so may result in electrical shock or a malfunctioning in the unit.
- When loading roll media, place the roll on a desk or other flat surface. Do not leave the media roll standing straight. This might damage the edge of the media roll.

2 PRODUCT OVERVIEW

2.1 PART NAMES AND FUNCTIONS

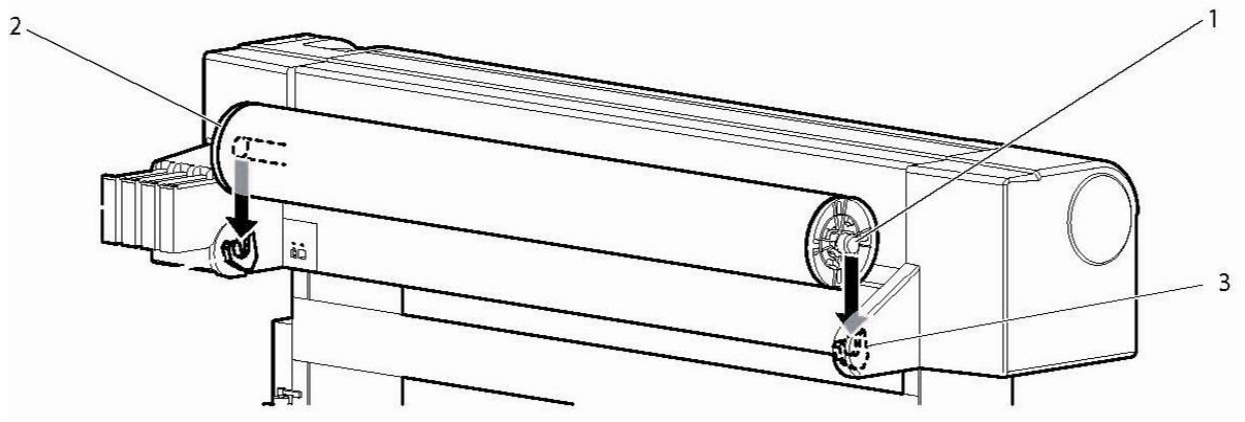
2.1.1 Front side



N°	Name	Function
1	Left bracket	Support bracket
2	Cross brace	Holds the media holders and enables them to slide to the requested place
3	Left roll media holder	Holds the media
4	Right roll media holder	Holds the media. This side contains the driving mechanism to wind up the printed media
5	Power switch	To switch ON and OFF the Winder
6	Right bracket	Support bracket

2.1.2 Rear side

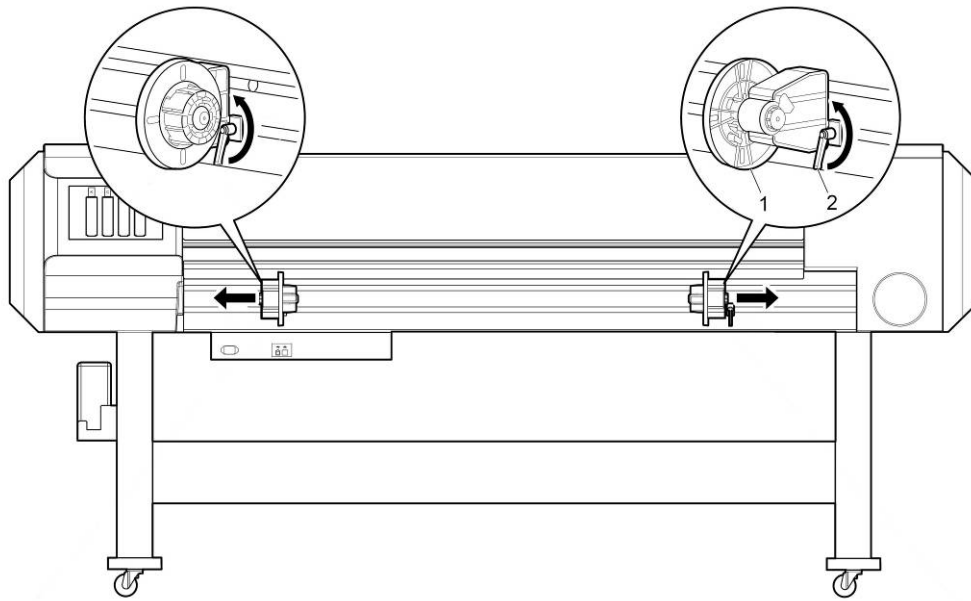
2.1.2.1 For a VJ 1204 - VJ 1304 - VJ 1304W - VJ 1324 & DrafStation Pro



N°	Name	Function
1	Scroller	supports the movable flanges
2	flange	Fixed flange
3	Scroller receiver	Movable flange.

⁰ This system is pre mounted and not included in the kit. But works as one system with the winder.

2.1.2.2 For a ValueJet 1614 – ValueJet 1624 & ValueJet 1604 W



N°	Name	Function
1	Scroller support	Movable 2-3" compatible core holders.
2	Scroller support lever	To lock or unlock the scroller supports.

⁰ This system is pre mounted and not included in the kit. But works as one system with the tensioning winder.

2.2 IN-THE-BOX CONTENTS

2.2.1 VJ 1204 - VJ 1304 - VJ 1304W - VJ 1324 - DrafStation Pro

N°	Description	Quantity
1	Media slider right	1
2	Media slider left	1
3	Media slider	1
4	30kg Take-up system kit	1

2.2.1.1 30kg Take-up system kit

N°	Description	Quantity
1	Power cable	1 EU 1 UK
2	Hexagon socket spring M4	14
3	Stopper plate	2
4	Hexagon key (ø 5mm)	1
5	Roller support closing bracket	2
6	Slot nut	2
7	Adjustment tooling rollfeed	1
8	Connection plate	2
9	Pet adjusting strip rollfeed	1
10	Spacer plate	10
11	Power adapter	1
12	User's Guide (This document)	1
13	Hexagon key (ø 3mm)	1
14	Hex hole spring flat M6	4

2.2.2 ValueJet 1614 – ValueJet 1604W – ValueJet 1624

N°	Description	Quantity
1	Media slider right	1
2	Media slider left	1
3	Cross brace extrusion	1
4	30kg Take-up system kit	1

2.2.2.1 30kg Take-up system kit

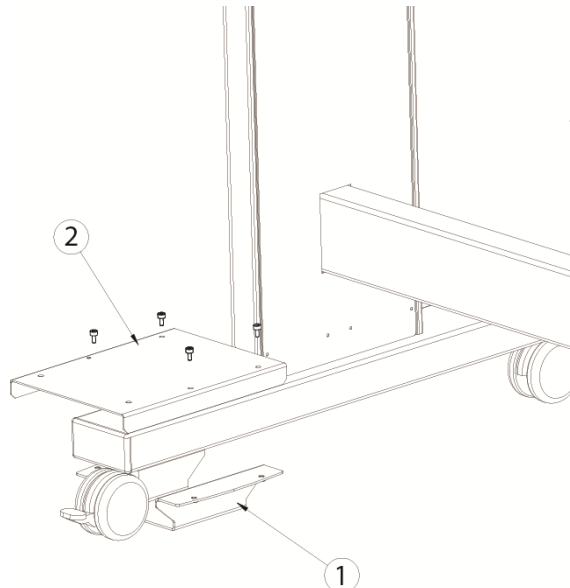
N°	Description	Quantity
1	Power cable	1 EU 1 UK
2	Hexagon socket spring M4	14
3	Stopper plate	2
5	Hexagon hole spring flat M5	4
6	Slot nut	2
7	Adjustment tooling rollfeed	1
8	Slip connection plate	2
9	Pet adjusting strip rollfeed	1
10	Spacer plate	10
11	Power adapter	1
12	User's Guide (This document)	1
13	Hexagon key (ø 5mm)	1
14	Hexagon key (ø 4mm)	1
15	Hexagon key (ø 3mm)	1
16	Hex hole spring flat M6	4

3 INSTALLATION PROCEDURE

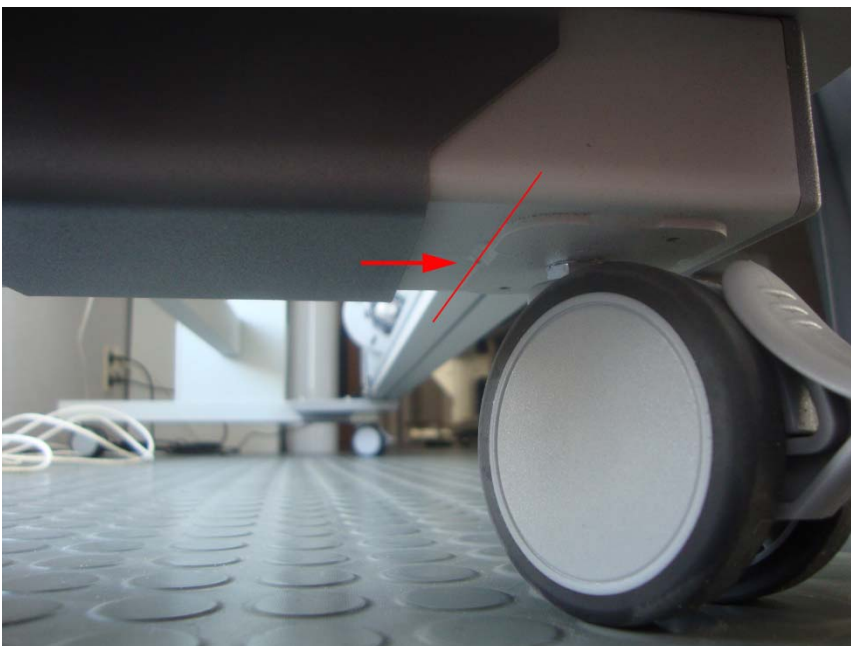
3.1 INSTALLING THE FRONT TENSIONING SYSTEM

3.1.1 On a VJ 1204 - VJ 1304 - VJ 1304W - VJ 1324 - Drafstation Pro

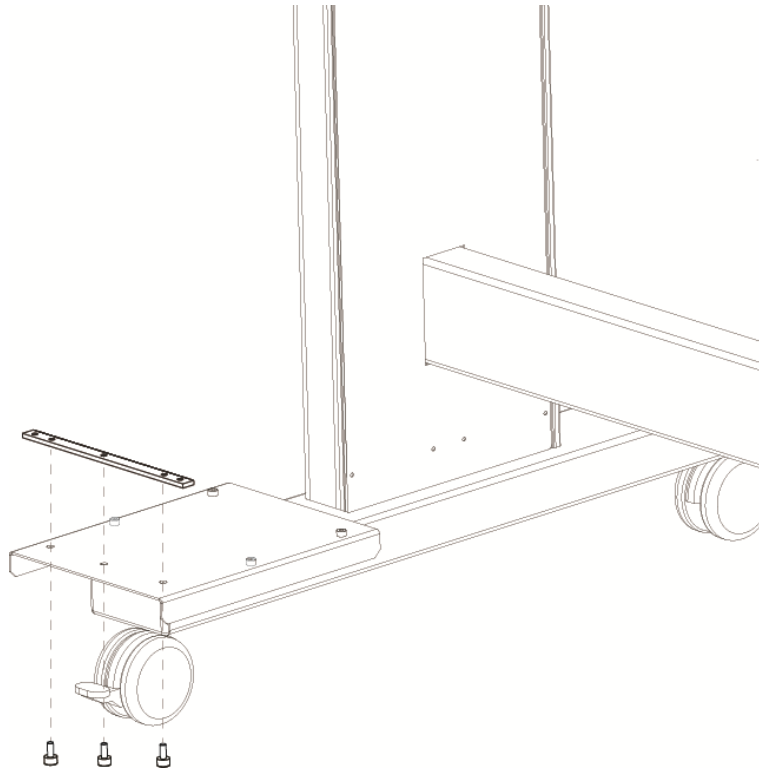
- Step 1 :** Slide the closing bracket (1) over the stand; make sure that the closing bracket is pushed properly against the stand.
- Step 2 :** If the closing bracket is positioned properly, slide the support bracket (2) onto the closing bracket. Make sure that the support bracket its flange is properly positioned against the closing bracket and the stand.
- Step 3 :** When correctly positioned, fix the support bracket by hand (on both sides) onto the closing bracket using 4 screws (M4).



- Step 4 :** Once the two brackets are connected, slide them against the wheel bracket.



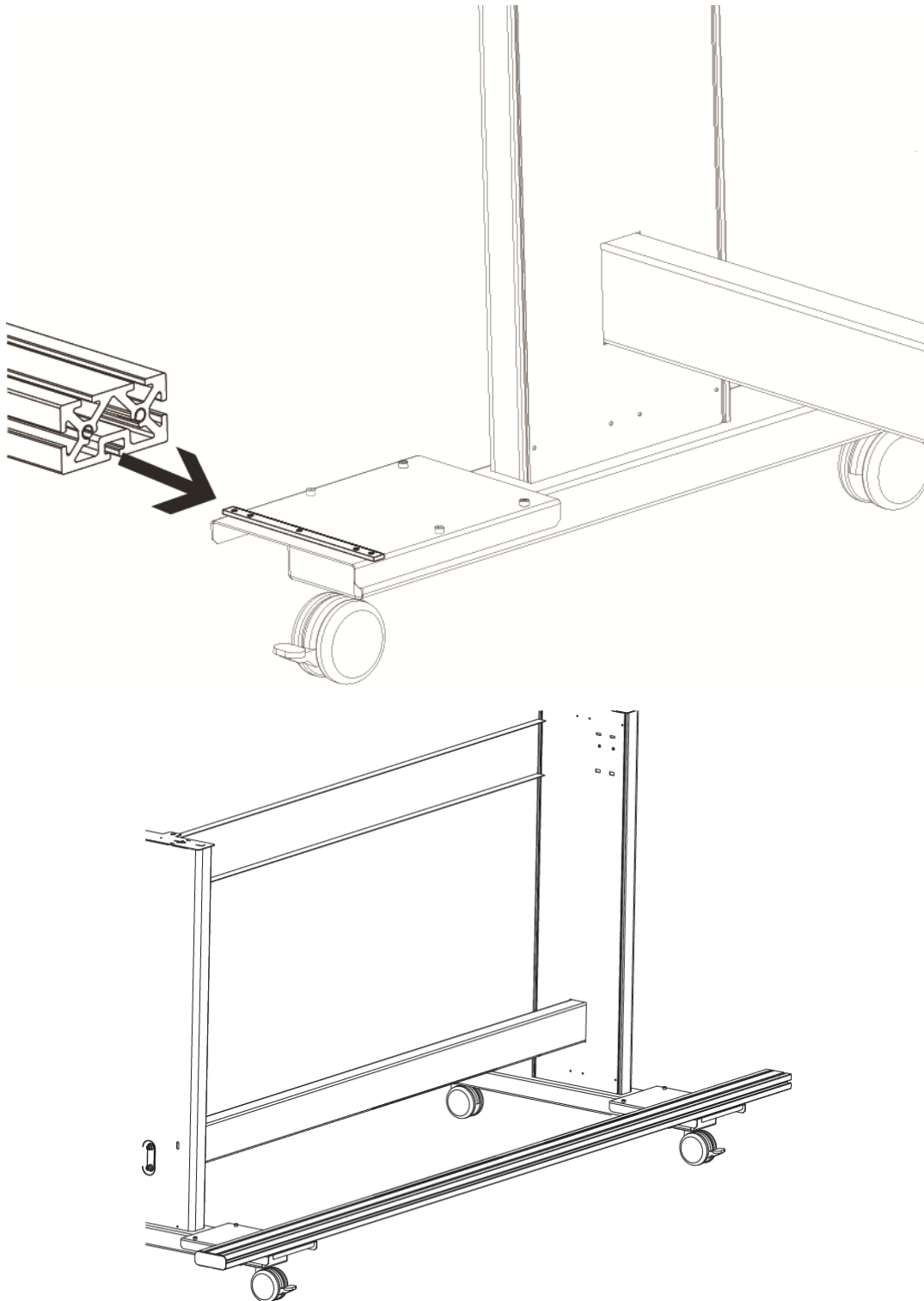
Step 5 : At both sides, screw the slotnut (M5) very loosely on the brackets (Make sure the slotnut can still move a bit upwards).



⚠ Notes ⚠

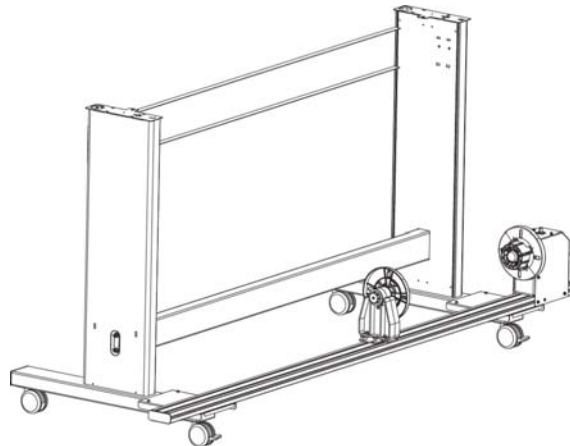
- In case you are installing the 30kg Take-up system on a ValueJet 1204, you don't need to use the middle screw.

Step 6 : Slide the extrusion bar over the first slotnut and then on the second. Make sure to support the extrusion bar so that no brackets are bent.

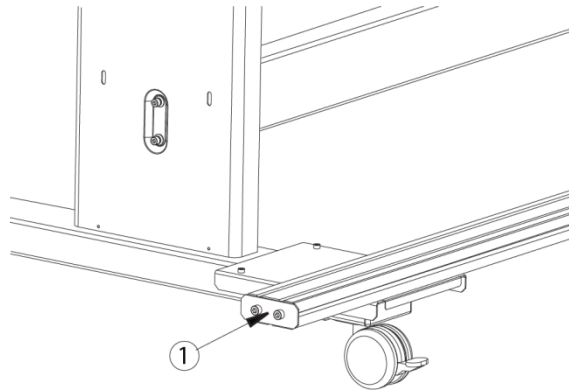


Step 7 : At both sides, tighten the screws of the slot nut so that the extrusion bar can no longer move.

Step 8 : Slide both the left and right media slider on the cross brace extrusion.



Step 9 : Attach a stopper plate (1) at both sides of the cross brace extrusion and fix them with 2 screws (M6).

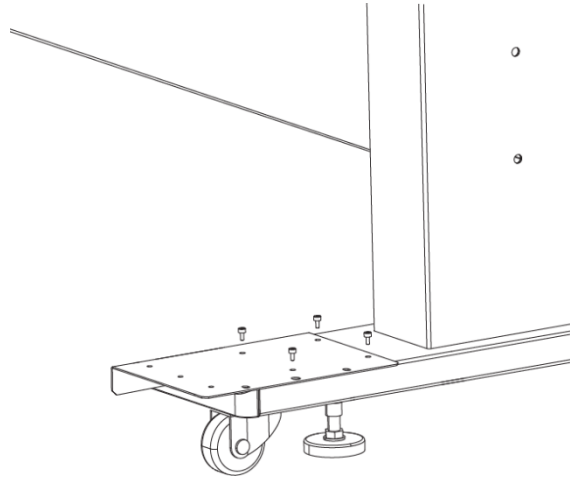


Step 10 : Refer to the next chapter to calibrate the tensioning bar and scroller assembly.

3.1.2 On a VJ 1614 - VJ-1624 - VJ 1624

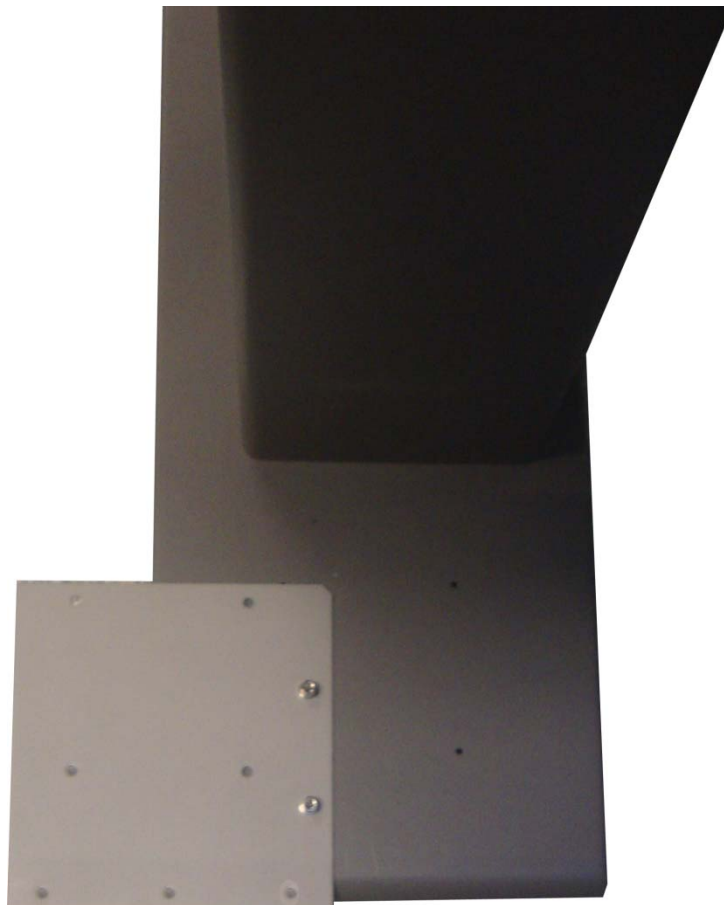
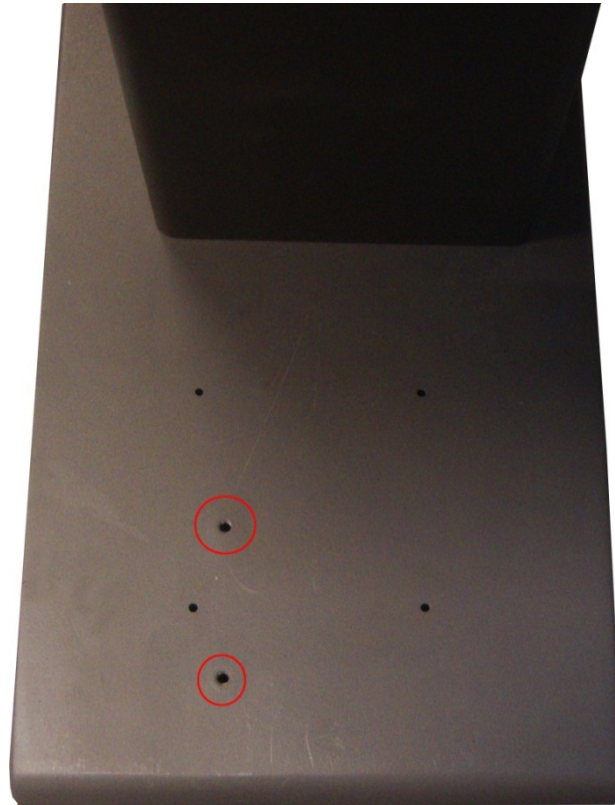
Step 1 : There are 2 possibilities in the first step.

- a. In case you have a Japanese stand (light grey)
 - i. At both sides, fix the support bracket onto the stand using 4 screws (M4).

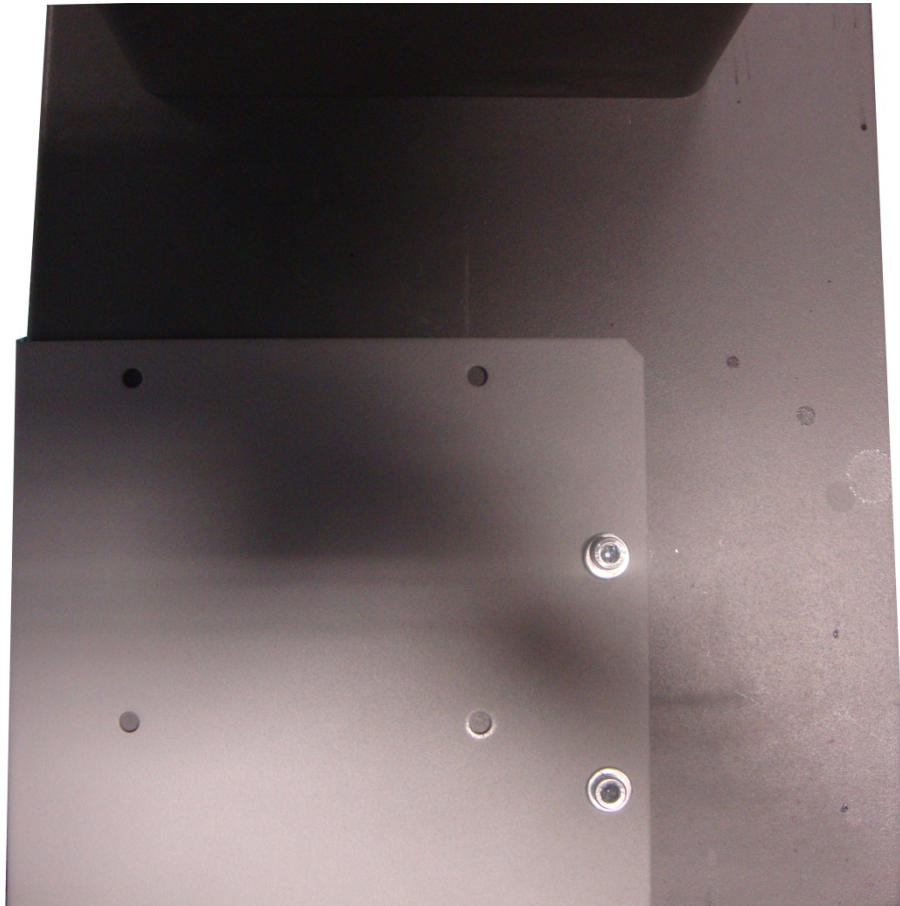


b. In case you have a European stand (dark grey)

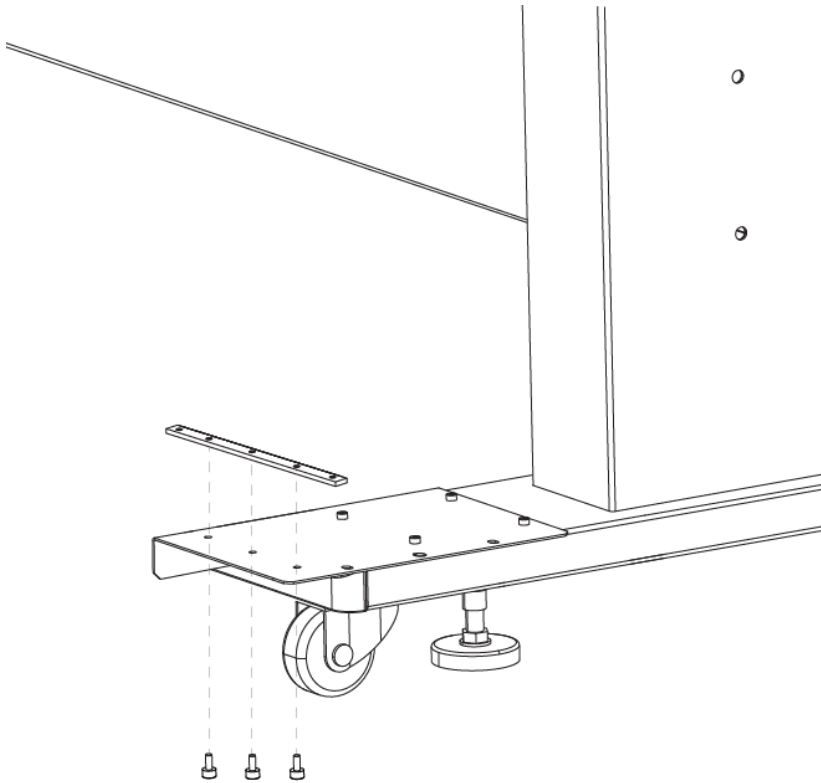
ii. At the left leg, screw the bracket in the 2 screw holes shown in the picture below.



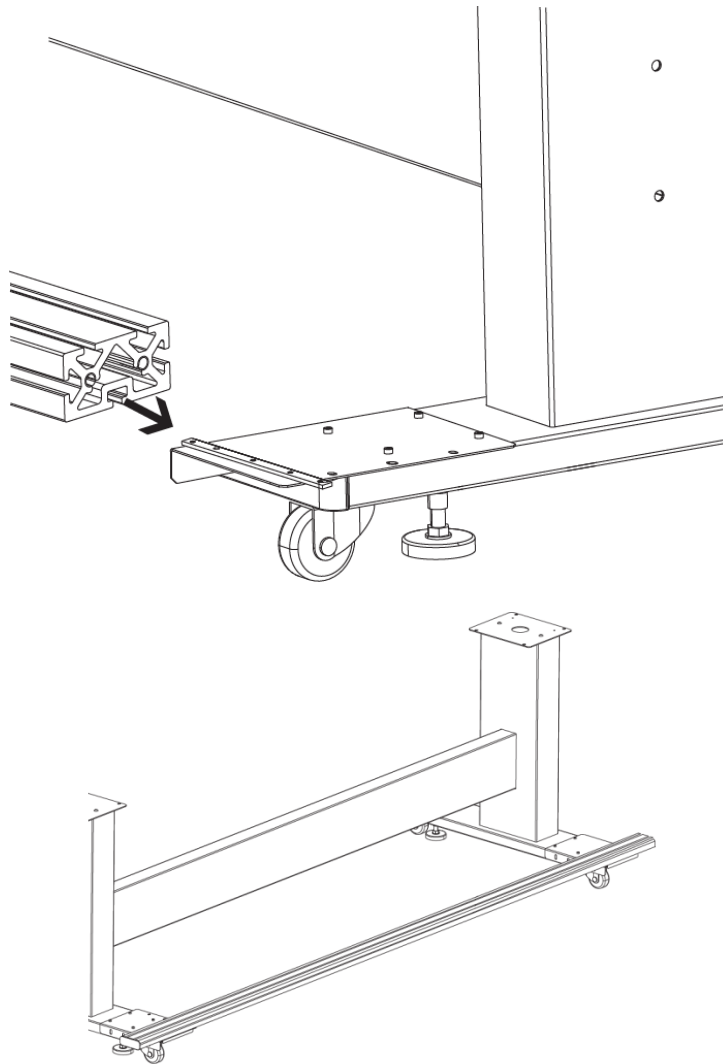
- iii. At the right leg, fix the bracket using 2 x M5 screws.



Step 2 : At both sides, screw the slotnut (M4) very loosely on the brackets (Make sure the slotnut can still move a bit upwards).

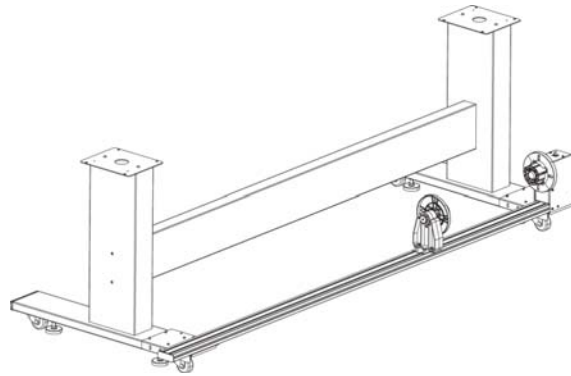


Step 3 : Slide the extrusion bar over the first slotnut and then on the second. Make sure to support the extrusion bar so that no brackets are bent.

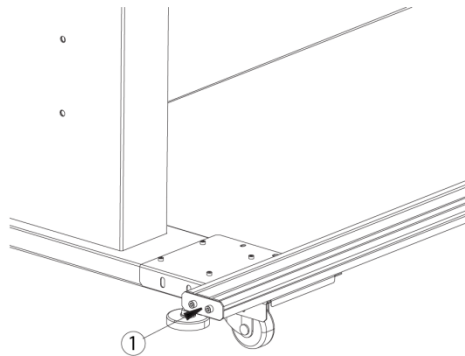


Step 4 : At both sides, tighten the screws of the slot nut so that the extrusion bar can no longer move.

Step 5 : Slide both the left and right media slider on the cross brace extrusion.



Step 6 : Attach a stopper plate (1) at both sides of the cross brace extrusion and fix them with 2 screws.



Step 7 : Refer to the next chapter to calibrate the tensioning bar and scroller assembly.

4 CALIBRATION PROCEDURE

Tools needed

- Synthetic paper strip
- Adjustment plate
- Hexagon key
- Tape (not included in winder kit)
- Pencil (not included in winder kit)

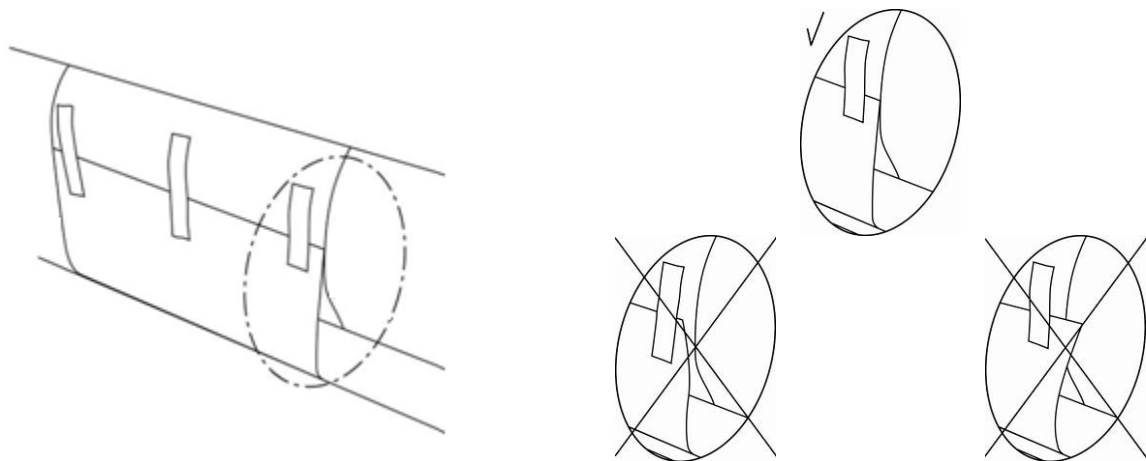
4.1 CALIBRATION

Step 1 : Load an empty core between the front media sliders.

Step 2 : Raise the pressure rollers of the printer.

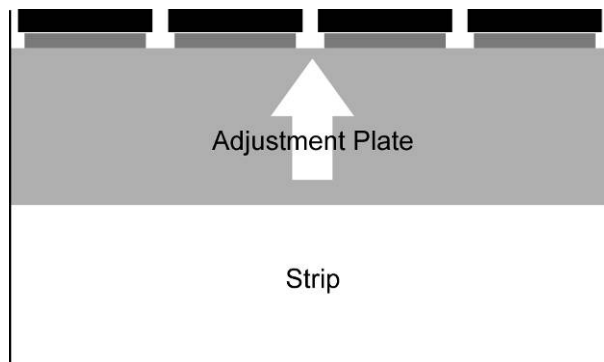
Step 3 : Raise the pressure rollers of the printer and load the paper strip.

Step 4 : Create a **straight** loop with the synthetic paper strip around the empty core at the front of the printer.

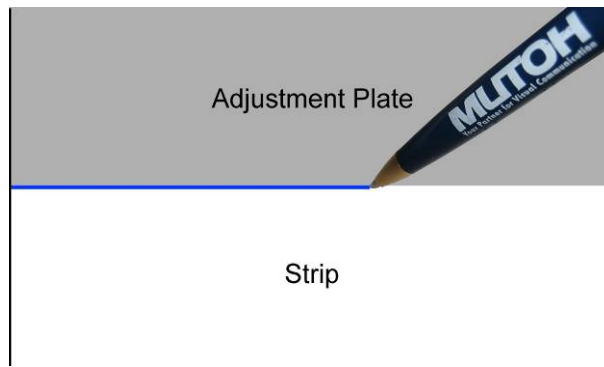


Step 5 : Guide the other end of the strip under the pressure rollers to the back of the machine and move the strip to the left side of the machine. Create a little tension on the strip to be sure it is straight.

Step 6 : Place the adjustment plate at the front of the printer against the pressure rollers.

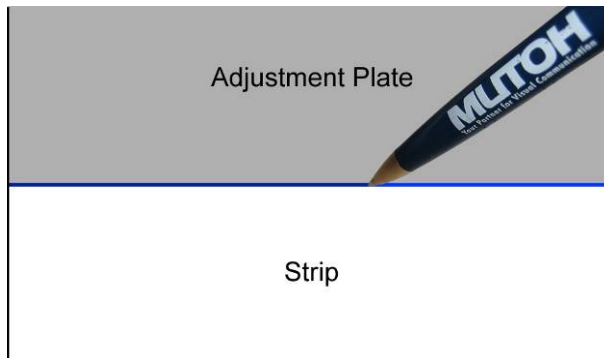


Step 7 : Draw a line on the strip.

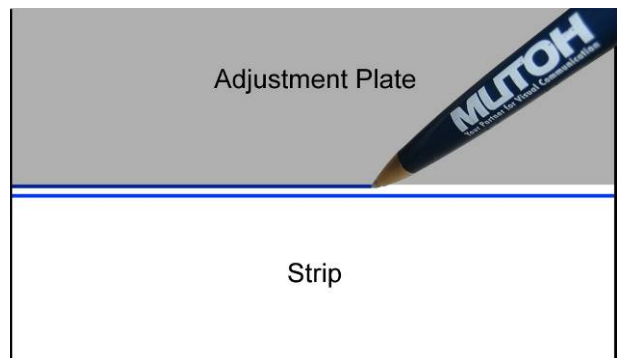
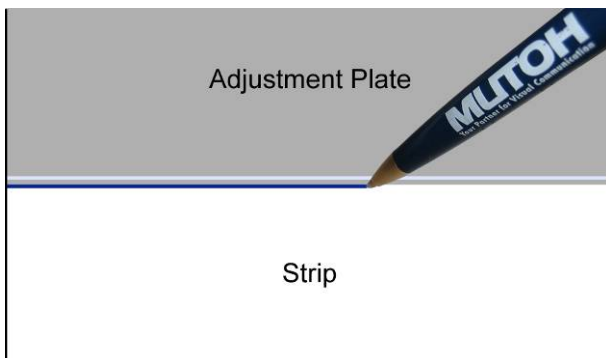


Step 8 : Move the strip to the right side.

Step 9 : Draw a line for the second time. The following two situations can be obtained.



The lines overlap each other
► well adjusted



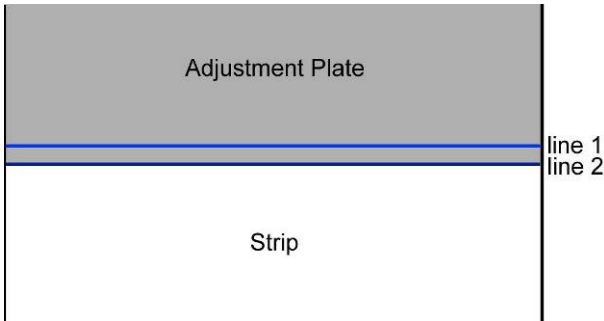
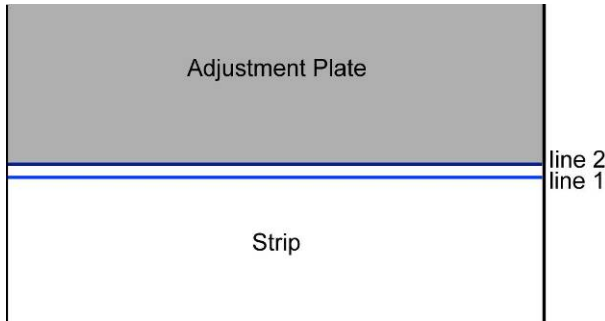
The lines do NOT overlap each other
► perform the adjustment procedure as described in the next chapter

4.2 ADJUSTMENT PROCEDURE

Depending on the result of the calibration, the 30kg Take-up system must be adjusted until it is positioned horizontally to obtain a straight winding flow.

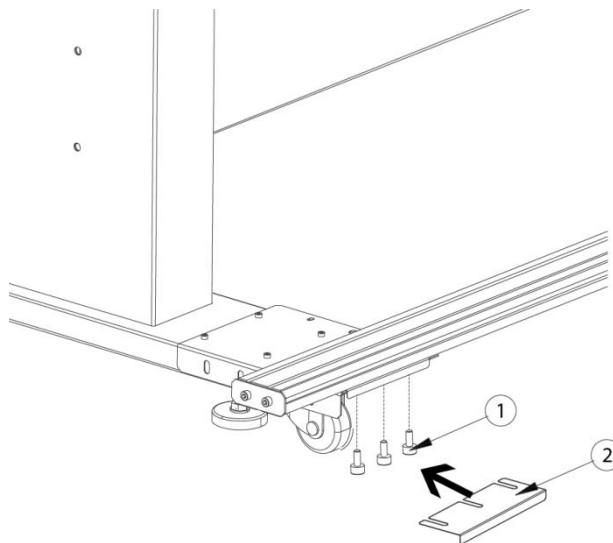
Follow the procedure below to adjust the scroller bar.

Step 1 : Evaluate on basis of the drawn lines how the bar is positioned compared to the print platform.

Situation 1	Situation 2
 Line 1 = left side calibration line Line 2 = right side calibration line In this situation, the right side of the scroller bar is higher than the left side. Raise the left side of the 30kg Take-up system.	 Line 1 = left side calibration line Line 2 = right side calibration line In this situation, the left side of the scroller bar is higher than the right side. Raise the right side of the 30kg Take-up system.

Step 2 : Raise the 30kg Take-up system as follows:

- Loosen the 3 screws (1) holding the roller support bracket a bit.
- Add an adjustment plate (2) underneath the roller support bracket.



- Tighten the 3 screws again.

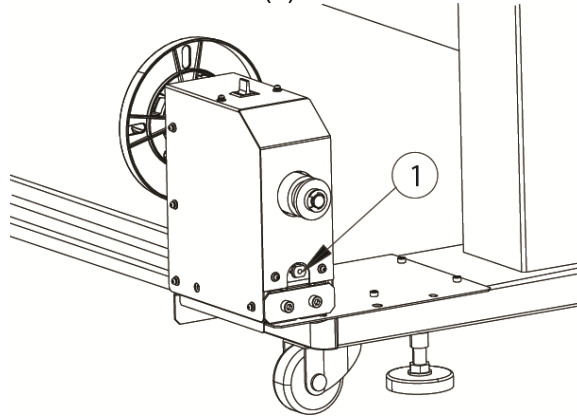
Step 3 : Verify the adjustment by following the calibration procedure once again.

5 OPERATING THE SYSTEM

5.1 CONNECTING THE POWER CABLE

Step 1 : Be sure that the power is switched OFF. (Switch is in the middle position)

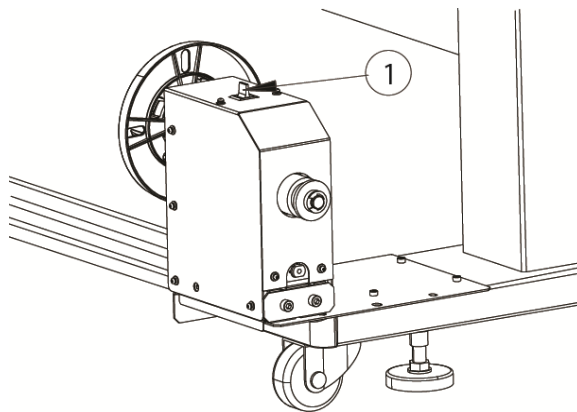
Step 2 : Connect the power cable to the AC inlet (1).



Step 3 : Insert the other side of the power cable in the power socket.

5.2 SWITCHING THE POWER ON/OFF

Step 1 : Push the switch on top of the driving mechanism to power ON.



Step 2 : As you will notice, pushing the switch to one side will make the tension winder roll up the media. Pushing it to the other side will enable you to roll off media.

5.3 LOADING ROLL MEDIA

Step 1 : Power ON the printer.

Step 2 : Be sure to position the switch in the middle position (= OFF).

Step 3 : Raise the pressure rollers of the printer.

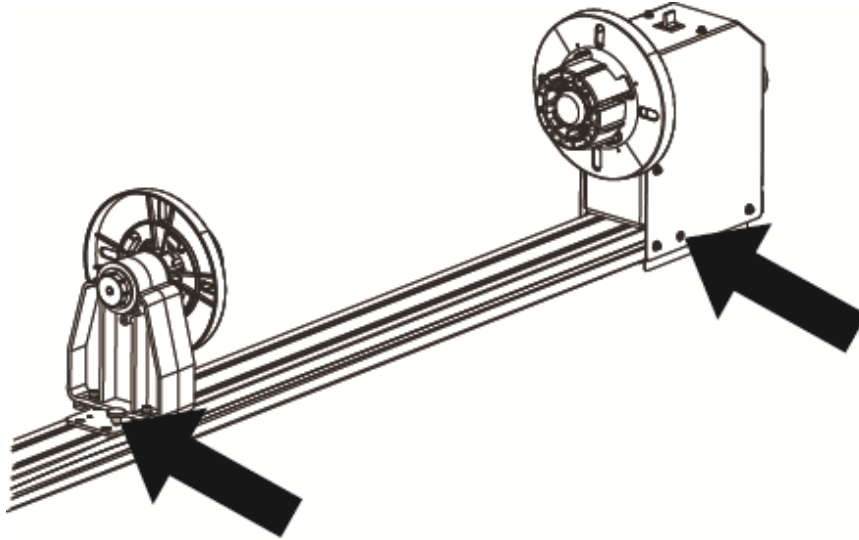
Step 4 : Load a roll of media at the back of the printer.

Step 5 : Unwind some media and guide it under the pressure rollers to the front of the printer.

Step 6 : Lower the pressure rollers of the printer

Step 7 : Load an empty core between the front media sliders. Be sure that the core is at least as wide as the media.

Step 8 : Guide the media to the empty core and tighten the media with some tape.
Loosen the screws to move the roll units left and right until the media core fits in between.



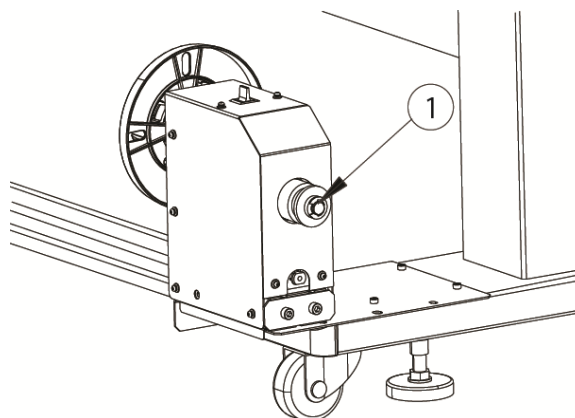
Step 9 : Switch ON the 30kg Take-up system and feed forward to roll up some media.

Step 10 : Initialize the media as described in the User's Guide of the printer

5.4 ADJUSTING THE TENSION

Once the media is loaded properly, it might happen that there is too much slack (when rolling up) or too much tension on the media (when rolling off).

Step 1 : To achieve the correct tension, rotate the adjustment wheel (1).



- When rotating the wheel clockwise, the tension increases
- When rotating the wheel counter clockwise, the tension decreases